

The listing of the claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

Claim 1 (Original): Method for the production of a material, whereby an aluminum-based alloy having a content of 5.5 to 13.0 mass-% silicon and a content of magnesium according to the formula

$$\text{Mg [mass-\%]} = 1.73 \times \text{Si [mass-\%]} + m$$

where $m = 1.5$ to 6.0 mass-% magnesium

as well as having a copper content between 1.0 and 4.0 mass-% is produced, the base alloy is subsequently heat-formed at least once, as well as subsequently subjected to a heat treatment consisting of solution heat treatment, quenching, and artificial aging.

Claim 2 (Currently Amended): Method according to claim 1, ~~characterized in that~~ wherein the base alloy is produced by means of spray compacting.

Claim 3 (Currently Amended): Method according to claim 1, ~~characterized in that~~ wherein the base alloy is produced by means of the method of continuous casting.

Claim 4 (Currently Amended): Method according to claim 1, ~~characterized in that~~ wherein the base alloy is produced by means of the method of chill casting.

Claim 5 (Currently Amended): Method according to claim 3 ~~or 4, characterized in that~~ wherein the base alloy contains 0.5-1.5 wt.-% magnesium phosphate for the purpose of increasing the grain fineness of the primary magnesium silicide that forms.

Claim 6 (Currently Amended): Method according to ~~one of the preceding claims~~ claim 1, ~~characterized in that~~ wherein the base alloy is hot-formed by means of extrusion, hot rolling, or forging.

Claim 7 (Currently Amended): Method according to claim 3, ~~characterized in that~~ wherein the hot forming is carried out with a degree of deformation greater than five times.

Claim 8 (Currently Amended): Method according to ~~one of the preceding claims~~ claim 1, ~~characterized in that~~ wherein 1.5 to 3.0 mass-% copper are alloyed in.

Claim 9 (Currently Amended): Method according to ~~one of the preceding claims~~ claim 1, ~~characterized in that~~ wherein the aluminum used does not contain more than 1 mass-% foreign elements.

Claim 10 (Currently Amended): Method according to claim 1, ~~characterized in that~~ wherein the material is heated through at 500°C for 2 h, quenched in water, and subsequently annealed at 210°C for 10 h.

Claim 11 (Currently Amended): Material on the basis of an aluminum alloy, which can be obtained by means of a method according to ~~one of claims 1 to 10~~ claim 1.

Claim 12 (Original): Use of the material according to claim 11 for the production of components.

Claim 13 (Original): Component according to claim 12, namely pistons for internal combustion engines.